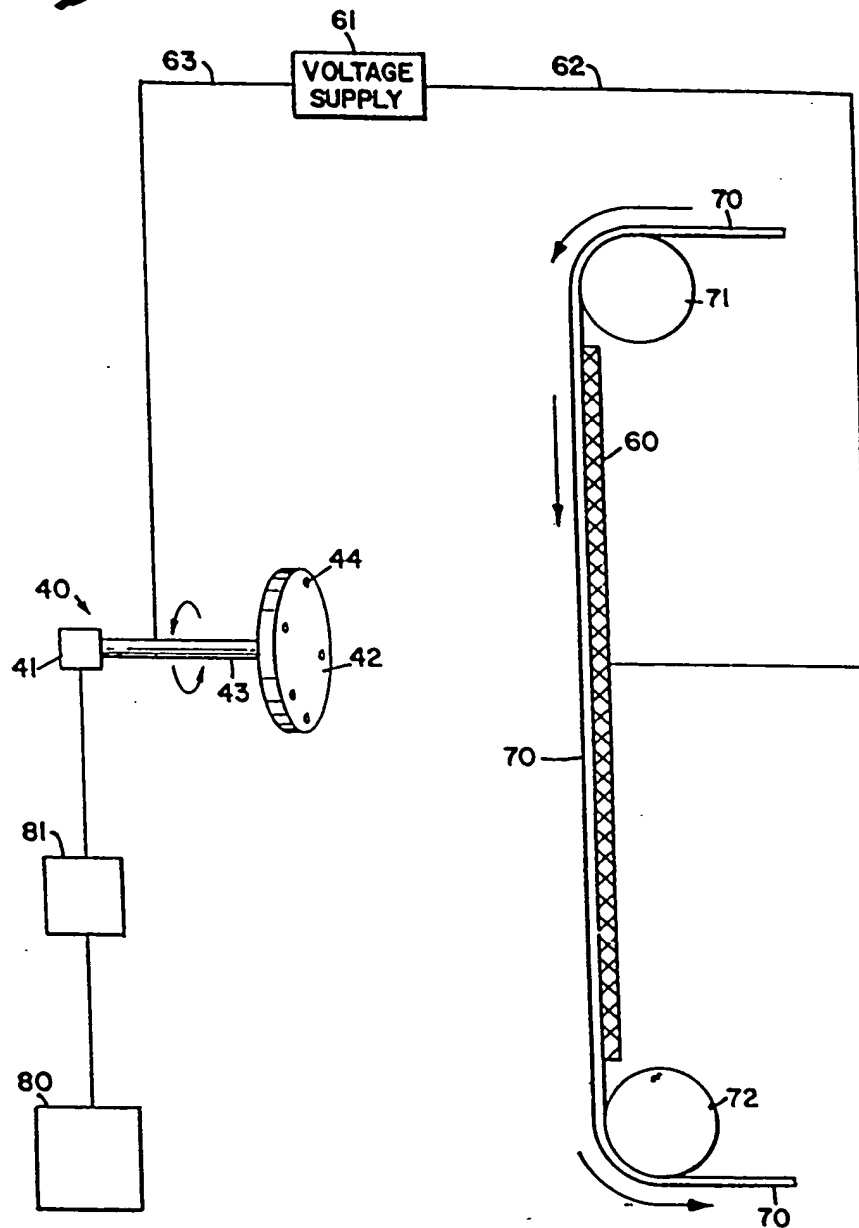


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FIG. 1



תמונת המצב

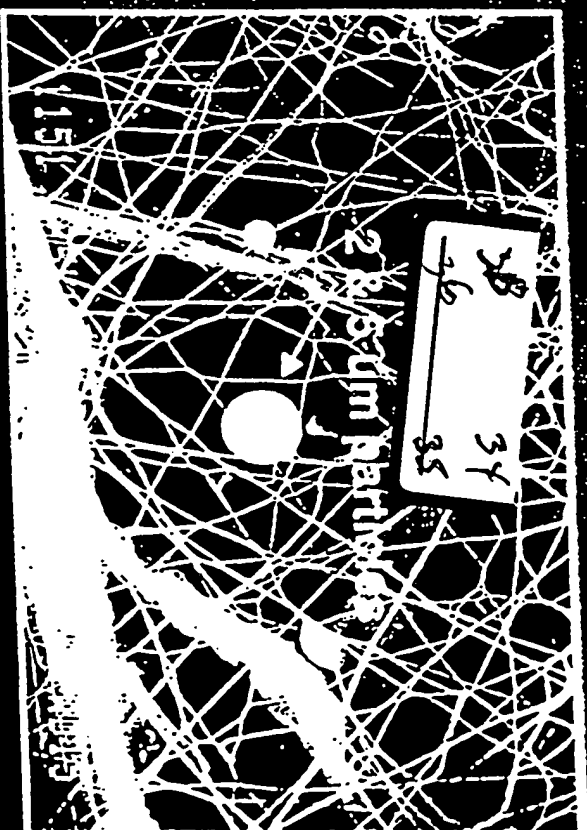
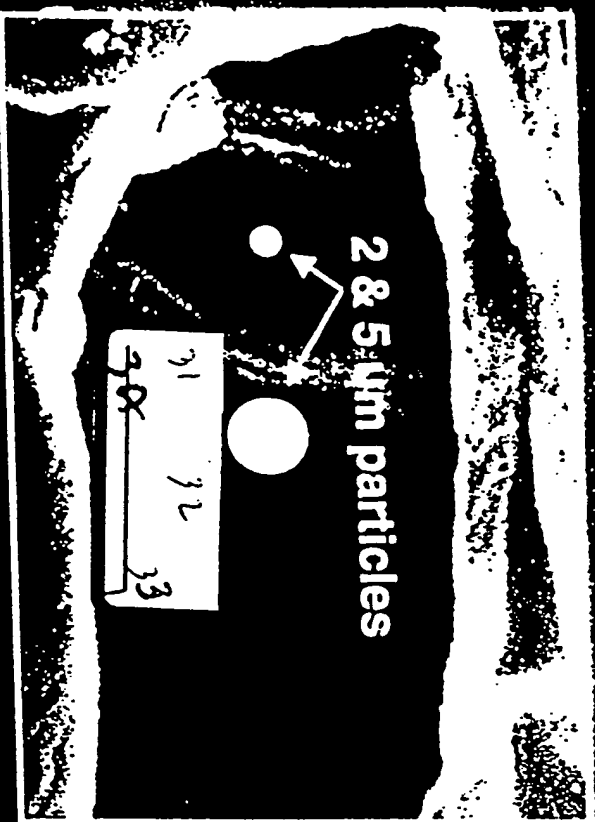


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Cellulose Media

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Katz Analytical Services, Inc.
1191-20C-3, Sample #: 1, Angle: 65

XPS Multiplex

O 1s

EV/Step: 0.2 eV, Time/Step: 50 mSec, Sweeps: 12

Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Fig 4. ESCA O 1s Spectra for Sample 4s span

Min: 0 Max: 6658

Curve Fit Summary					
Goodness of Fit:	92.77	Iterations:	2		
#	Position	Intensity	FWHM	% Gauss	Area
1	531.04	8627	1.46	98.48%	10320
2	532.71	2622	1.86	100.00%	4982
				Area %:	87.44%
				D = C	0 - C

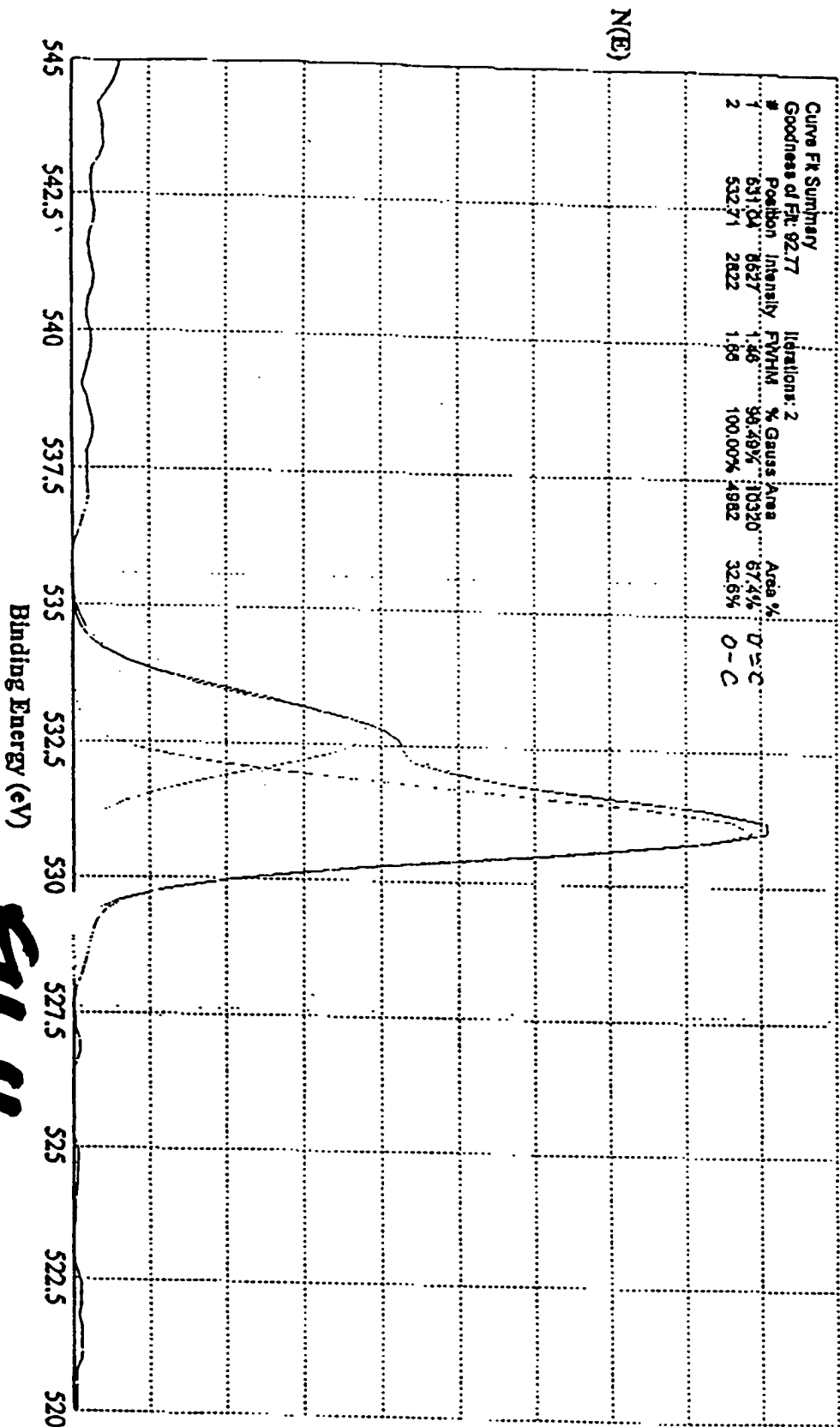


Fig 4

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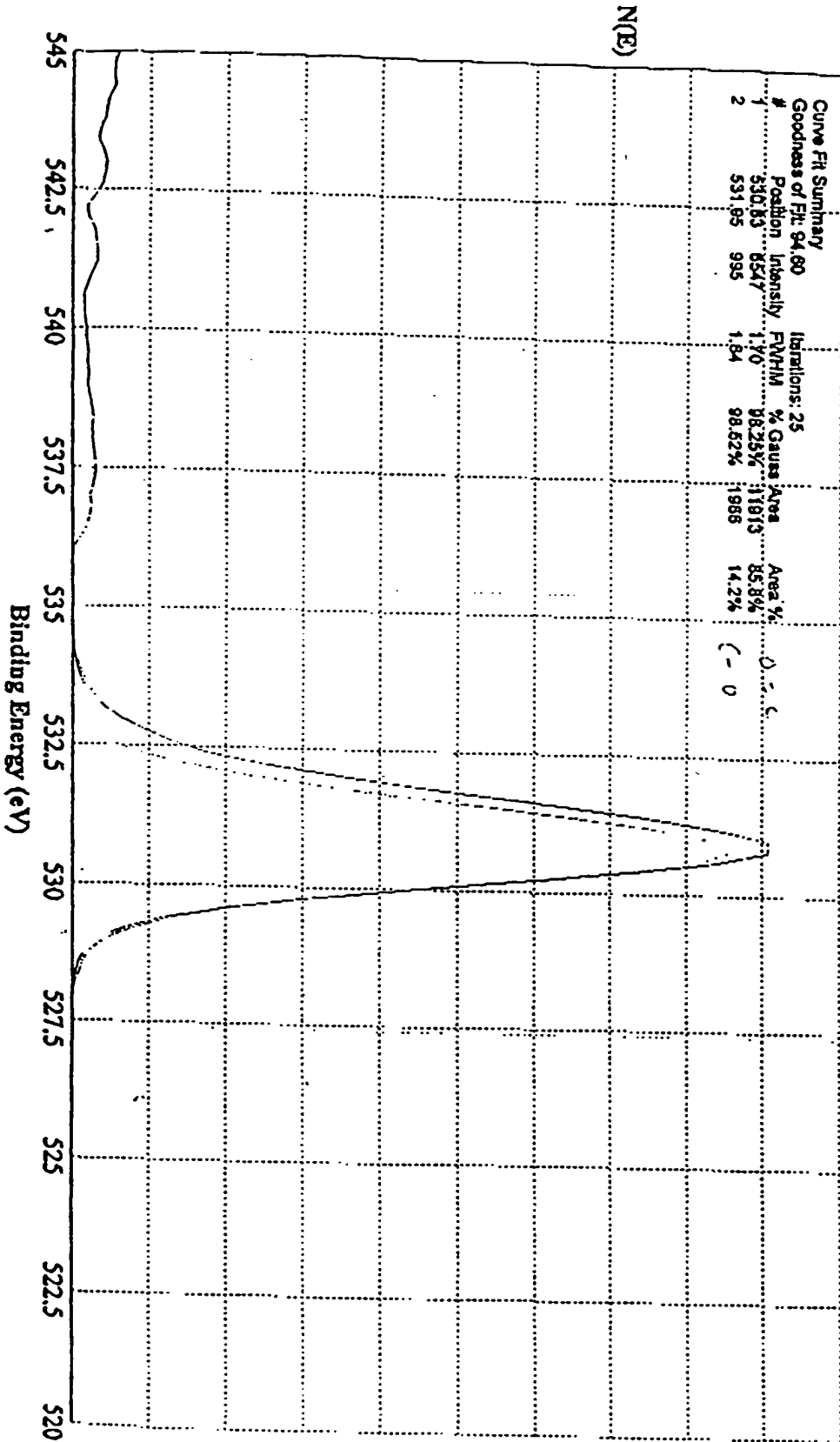
Katz Analytical Services, Inc.
1191-20C-4, Sample #: 1, Angle: 65

XPS Multiplex
O 1s

EV/Step: 0.2 eV, Time/Step: 50 mSec, Sweeps: 12
Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Min: 0 Max: 6926

Fig 5. ESCA O 1s Spectra for Heat-Treated Sample **64**



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Katz Analytical Services, Inc.
1191-20C-5, Sample #: 1, Angle: 65

XPS Multiplex

O 1s

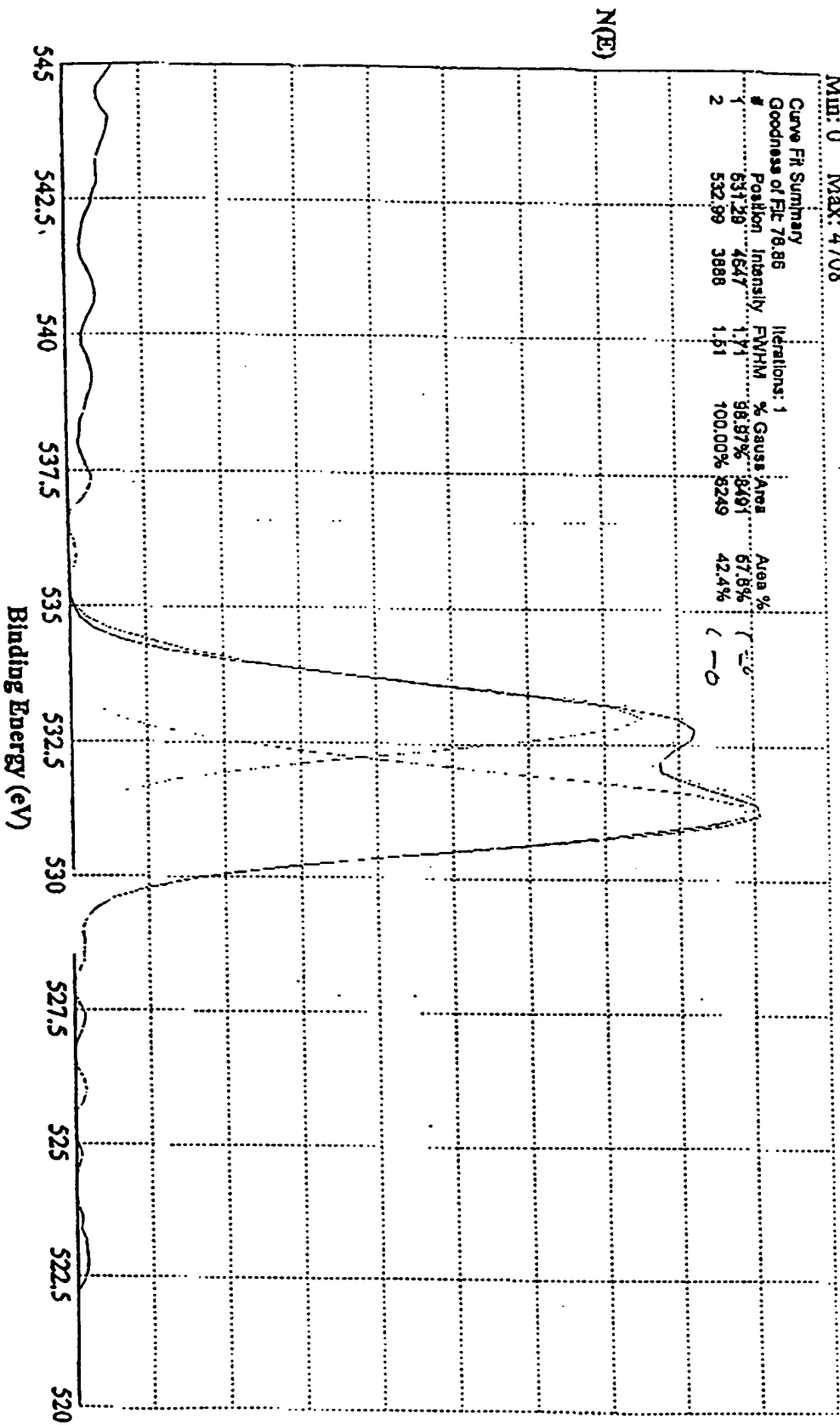
EV/Step: 0.2 eV, Time/Step: 50 mSec, Sweeps: 12
Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Fig B, ESCA O1s spectra for As-Span Example 6B

Min: 0 Max: 4708

Curve Fit Summary				
Goodness of Fit: 78.86				
#	Position	Intensity	FWHM	Iterations: 1
1	531.26	4647	1.71	% Gauss: 98.87%
2	532.99	3888	1.51	% Gauss: 82.49
				Area %:
				67.8%
				42.4%

$r^2 = 0.99$
C-O



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Katz Analytical Services, Inc.
1191-20C-6, Sample #: 1, Angle: 65

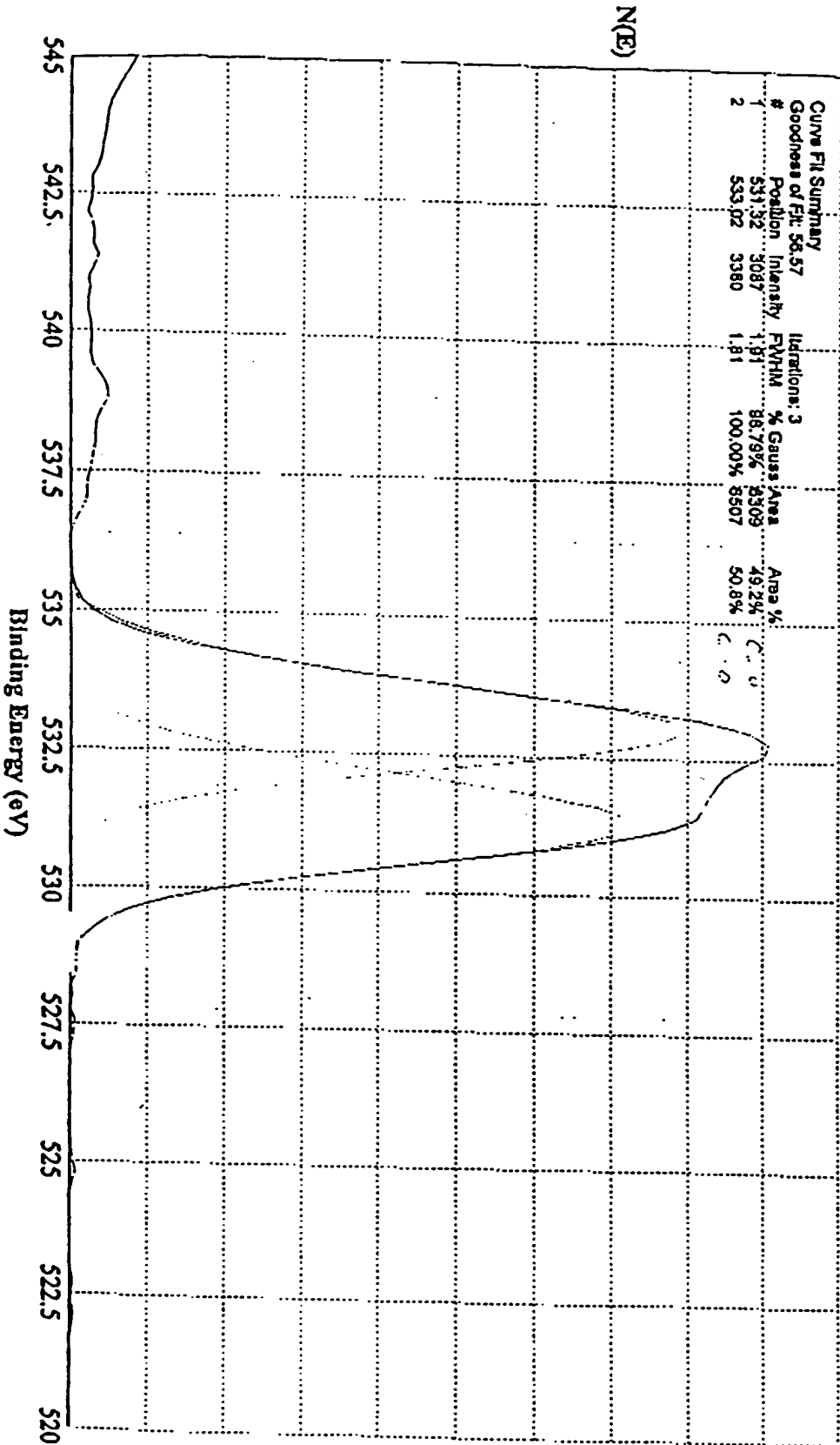
XPS Multiplex

O 1s

EV/Step: 0.2 eV, Time/Step: 50 mSec, Sweeps: 16
Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Min: 0 Max: 3855

Fig 9 ESCA O1s spectra for heat-treated sample 6B



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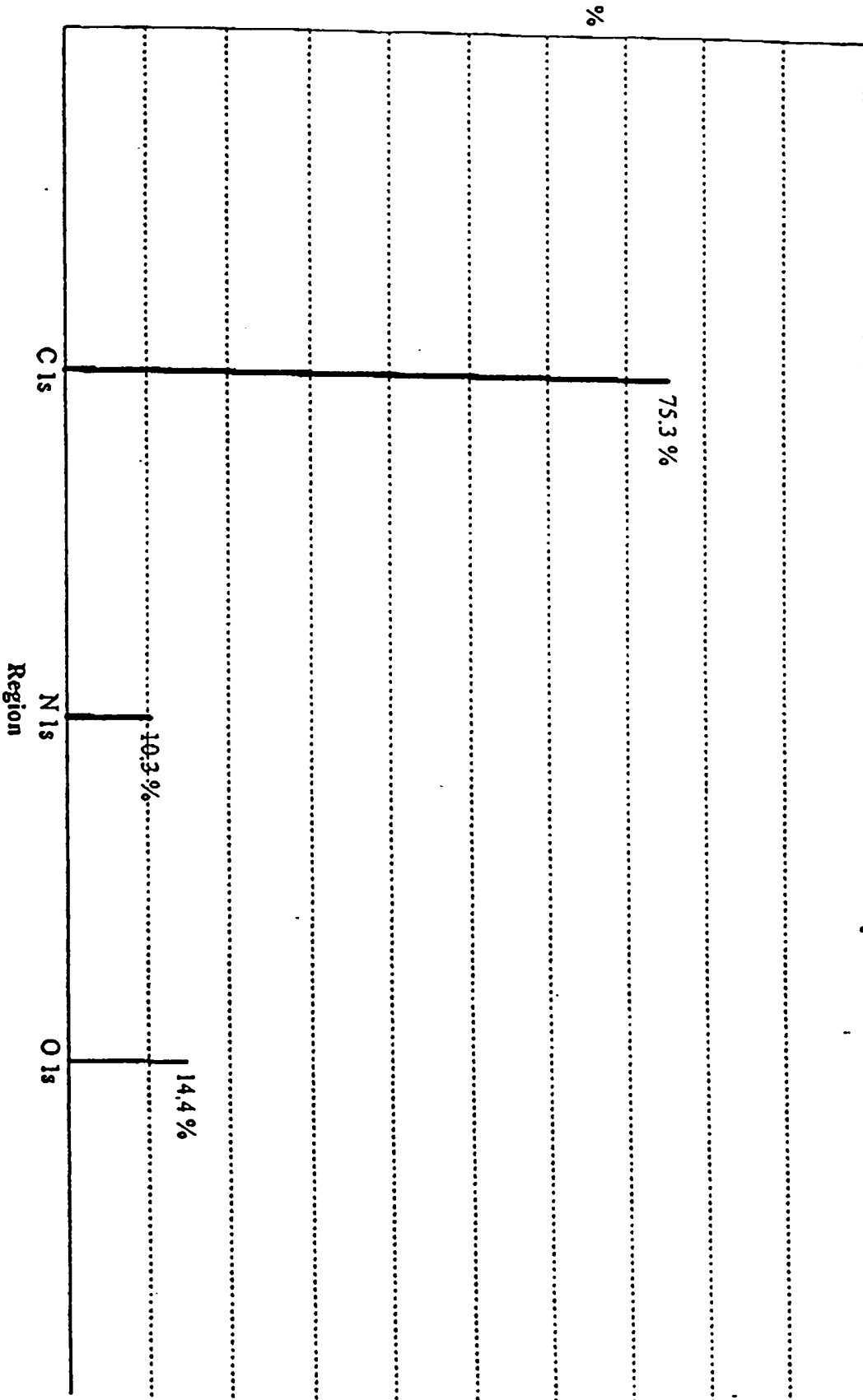
Katz Analytical Services, Inc.
1191-20C-3, Sample #: 1, Angle: 65

XPS Multiplex

Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Fig 8. ESCA Multiplex for As-Span Sample 6A

Min: 0 Max: 100



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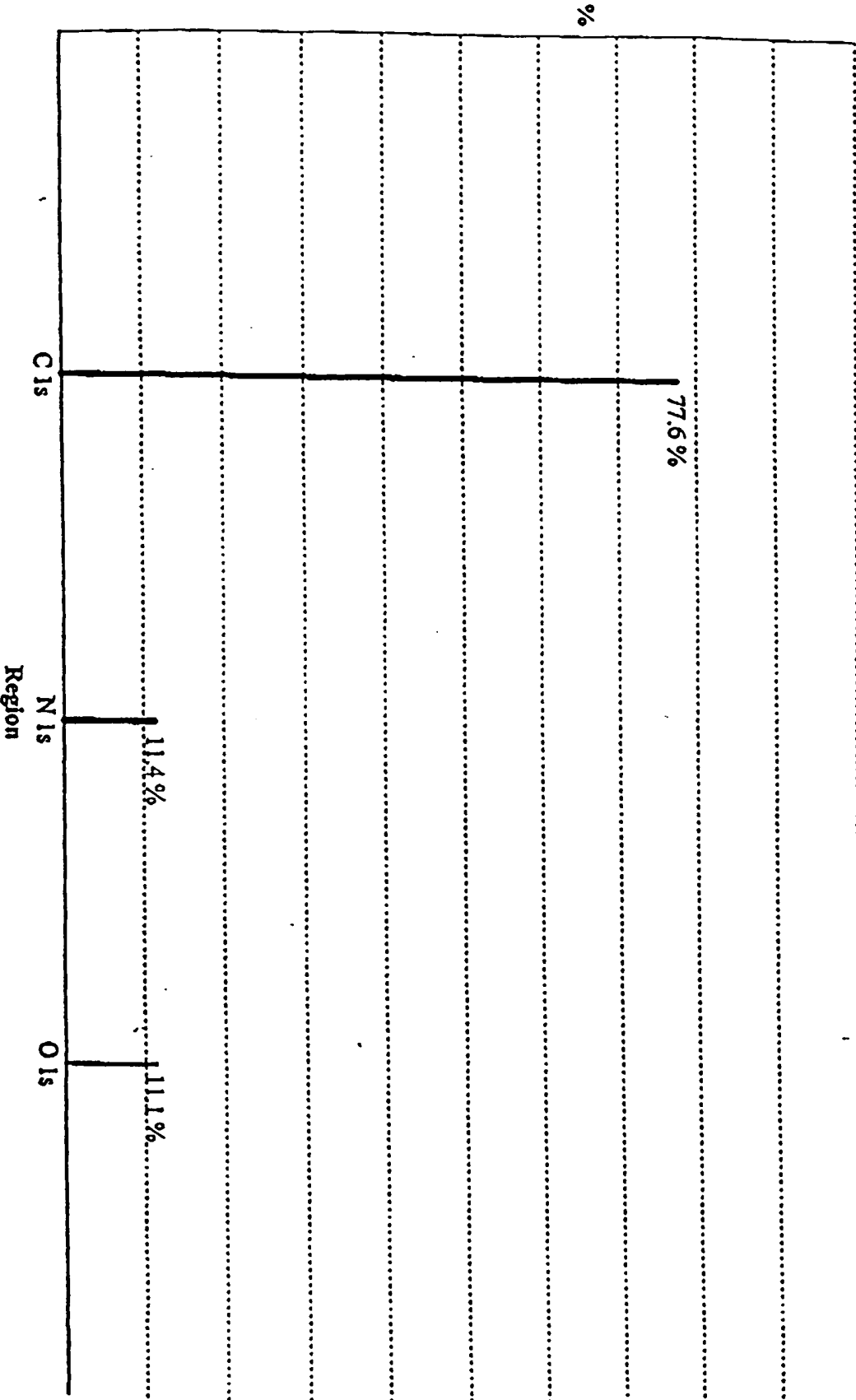
Katz Analytical Services, Inc.
1191-20C-4, Sample #: 1, Angle: 65

XPS Multiplex

Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Fig 9. ESCA Multiplex for Heat Treated Sample 6A

Min: 0 Max: 100



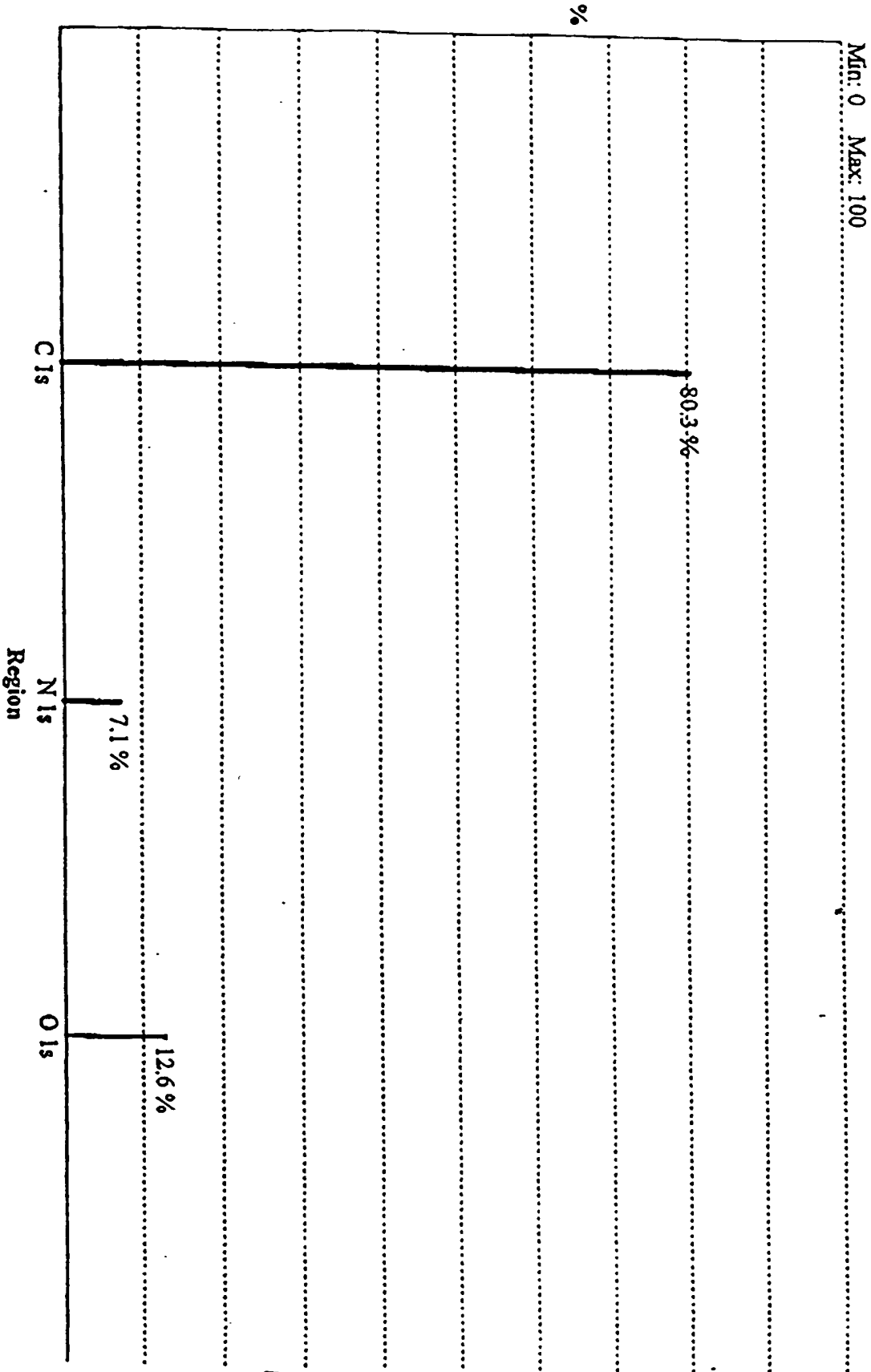
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Katz Analytical Services, Inc.
1191-20C-5, Sample #: 1, Angle: 65

XPS Multiplex

Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Fig 10 ESCA Multiplex for As-Span Sample 66B



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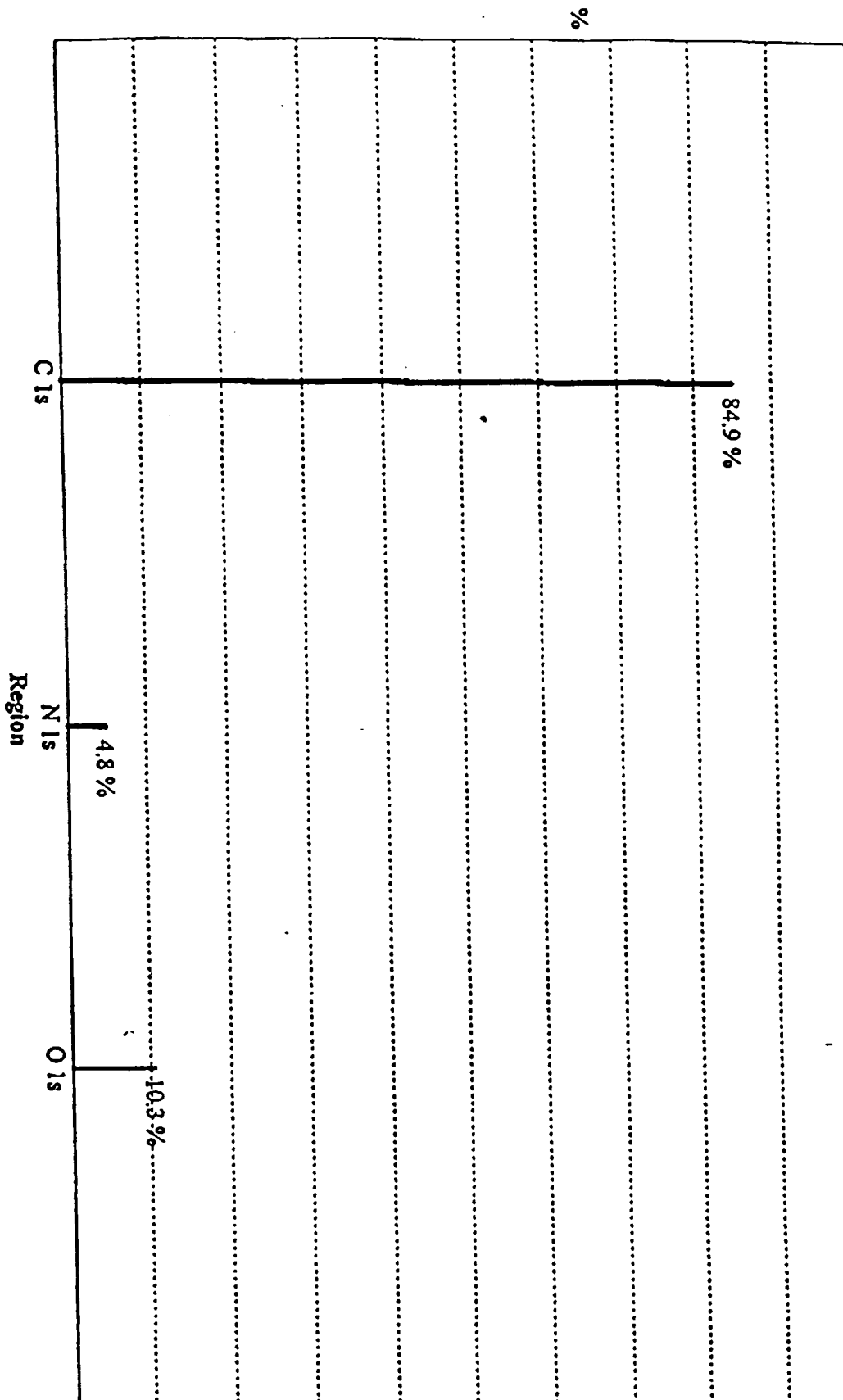
Katz Analytical Services, Inc.
1191-20C-6, Sample #: 1, Angle: 65

XPS Multiplex

Source: Al, Pass Energy: 71.55 eV, Work Function: 4.1 eV

Fig 1 ESCA Multiplex for Heat-Treated Sample 6B

Min: 0 Max: 100

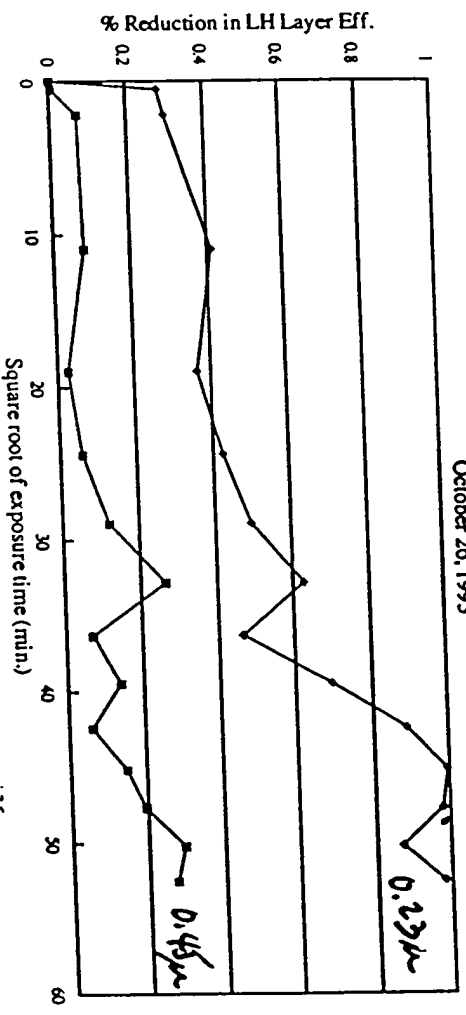


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due to the breakage of similar ...

UltraWeb Long Sock

October 26, 1993



Hot
cold
open
in
find
materials

F16 12

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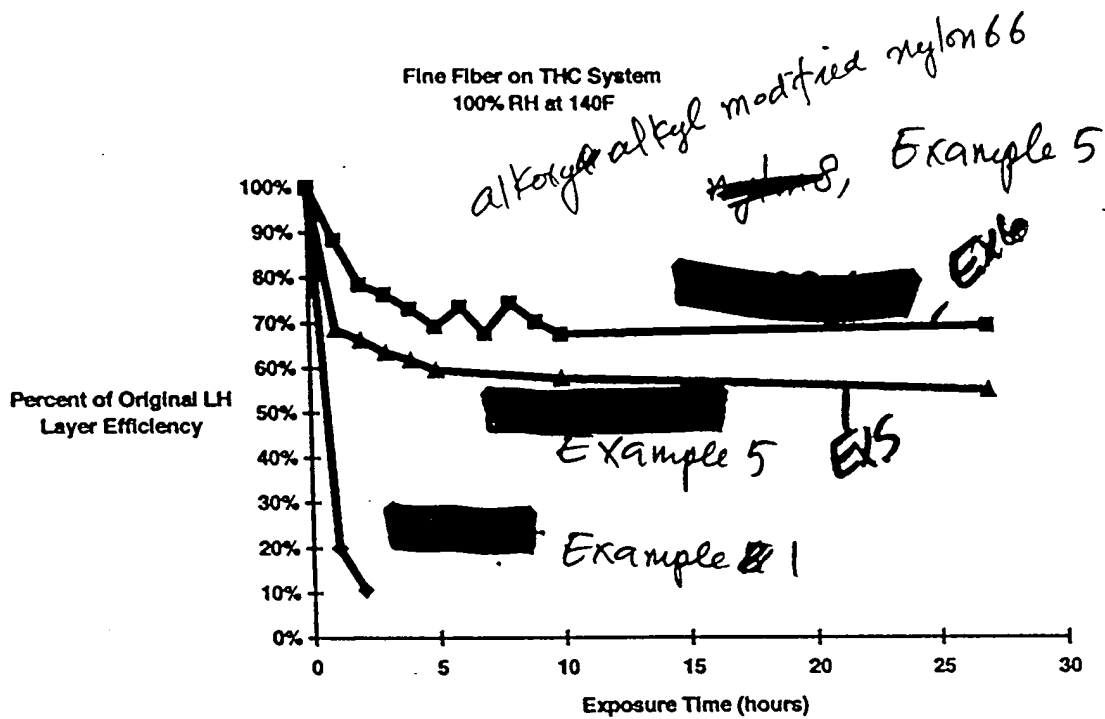
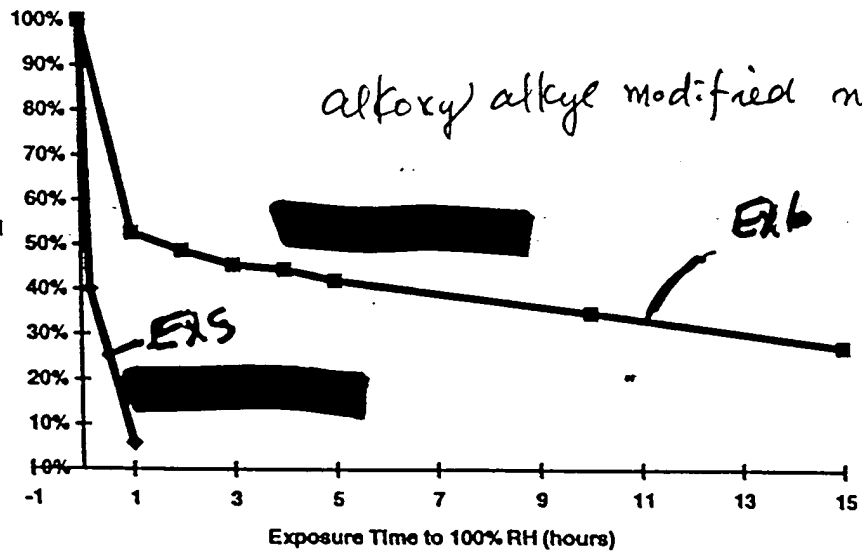


Fig. 13

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FL614

Fine Fiber on the THC System
160 F at 100% RH



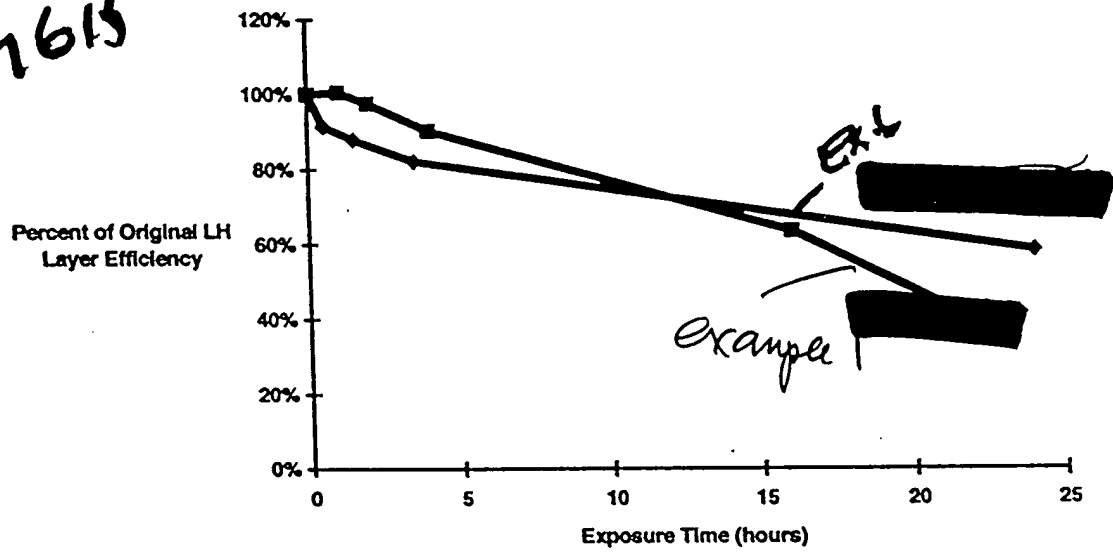
→

→

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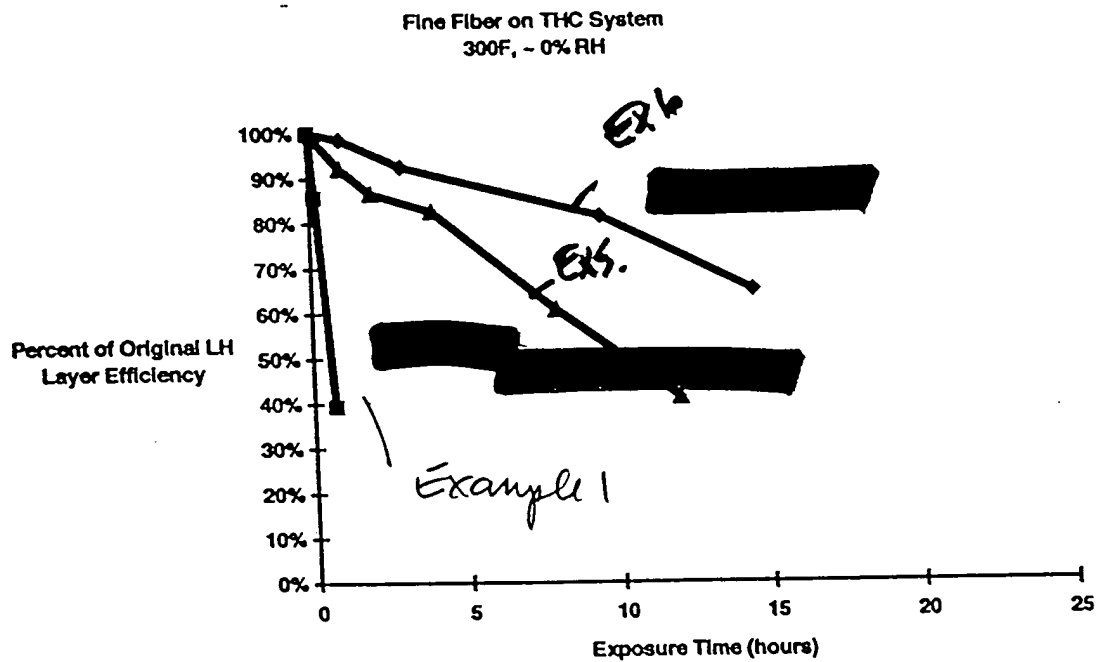
F1615

Fine Fiber on THC System
250F, - 0% RH



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Fig 16



Sample: 1191-19C-6
Size: 9.1500 mg
Method: Polymer Samples
Comment: Material characterization

100% modified

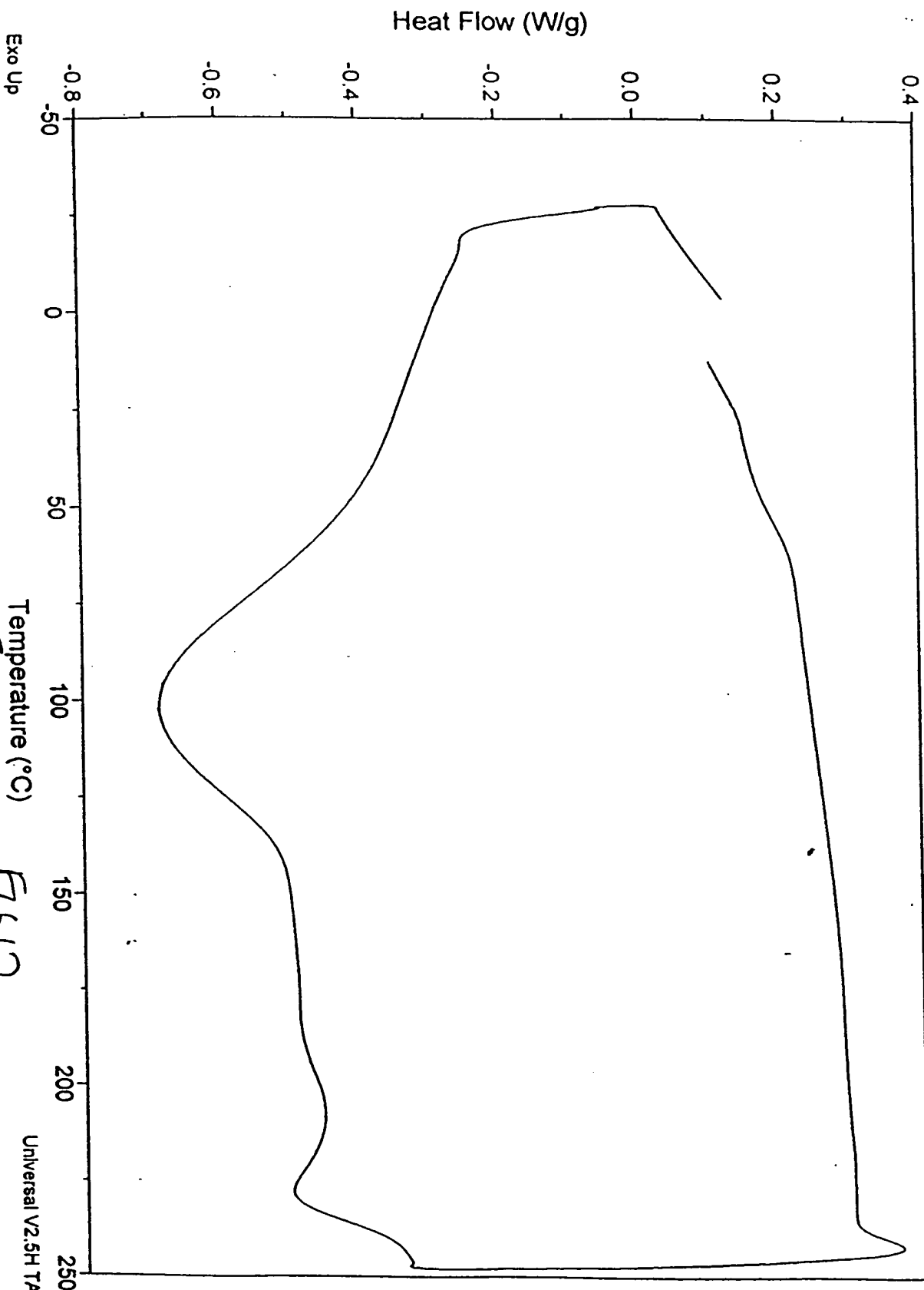
1st Me H

DSC nylon

66

[Redacted]

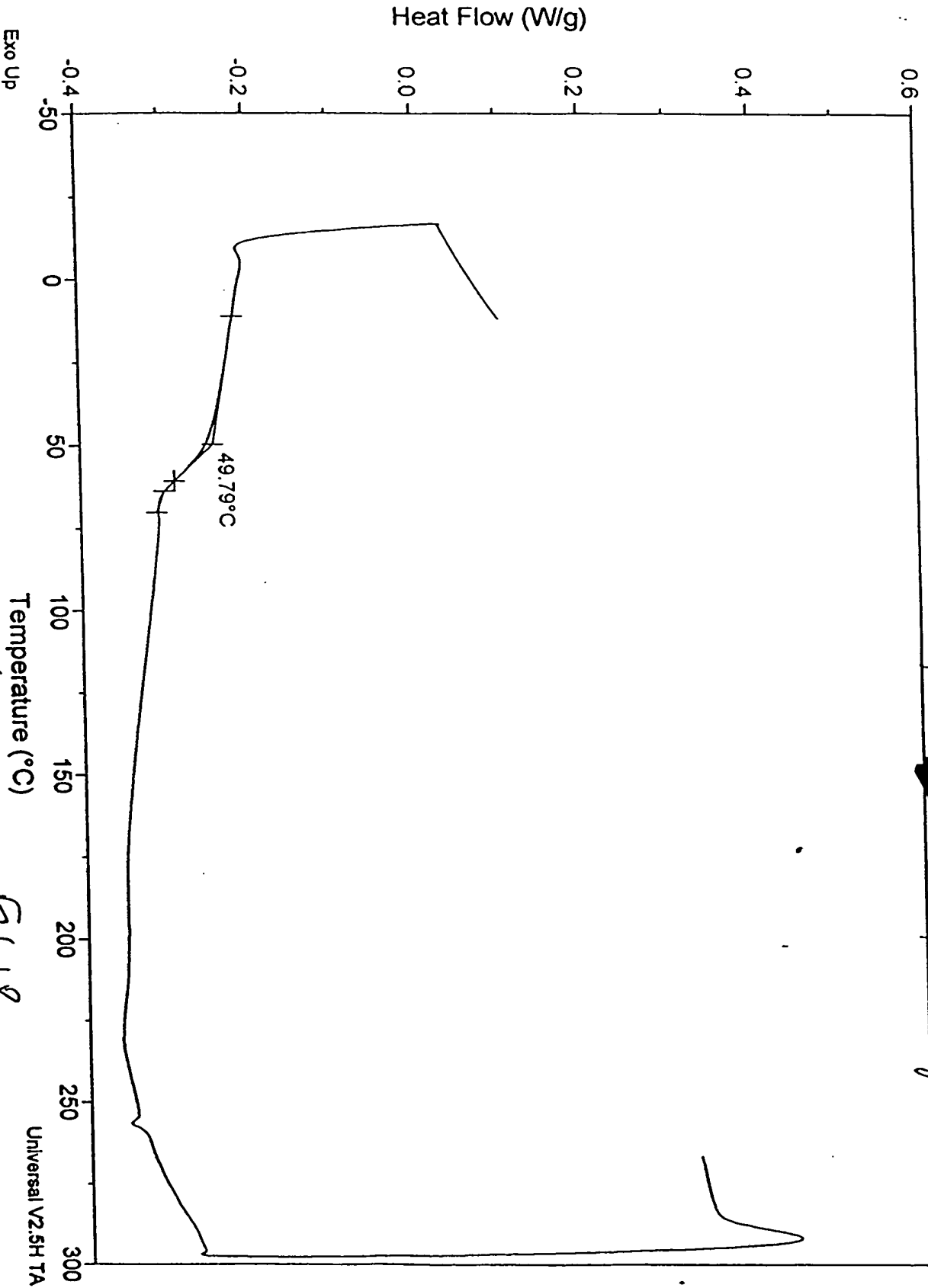
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Temperature (°C) Fl617

Sample: 1191-19C-6
Size: 9.1500 mg
Method: Polymer Samples
Comment: Material characterization

2nd melt
DSC
nylon
66 - After Fully cross-linked



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Sample: 1191-19C-7
Size: 9.8400 mg
Method: Polymer Samples
Comment: Material characterization

Example 6

70%

modified

66:

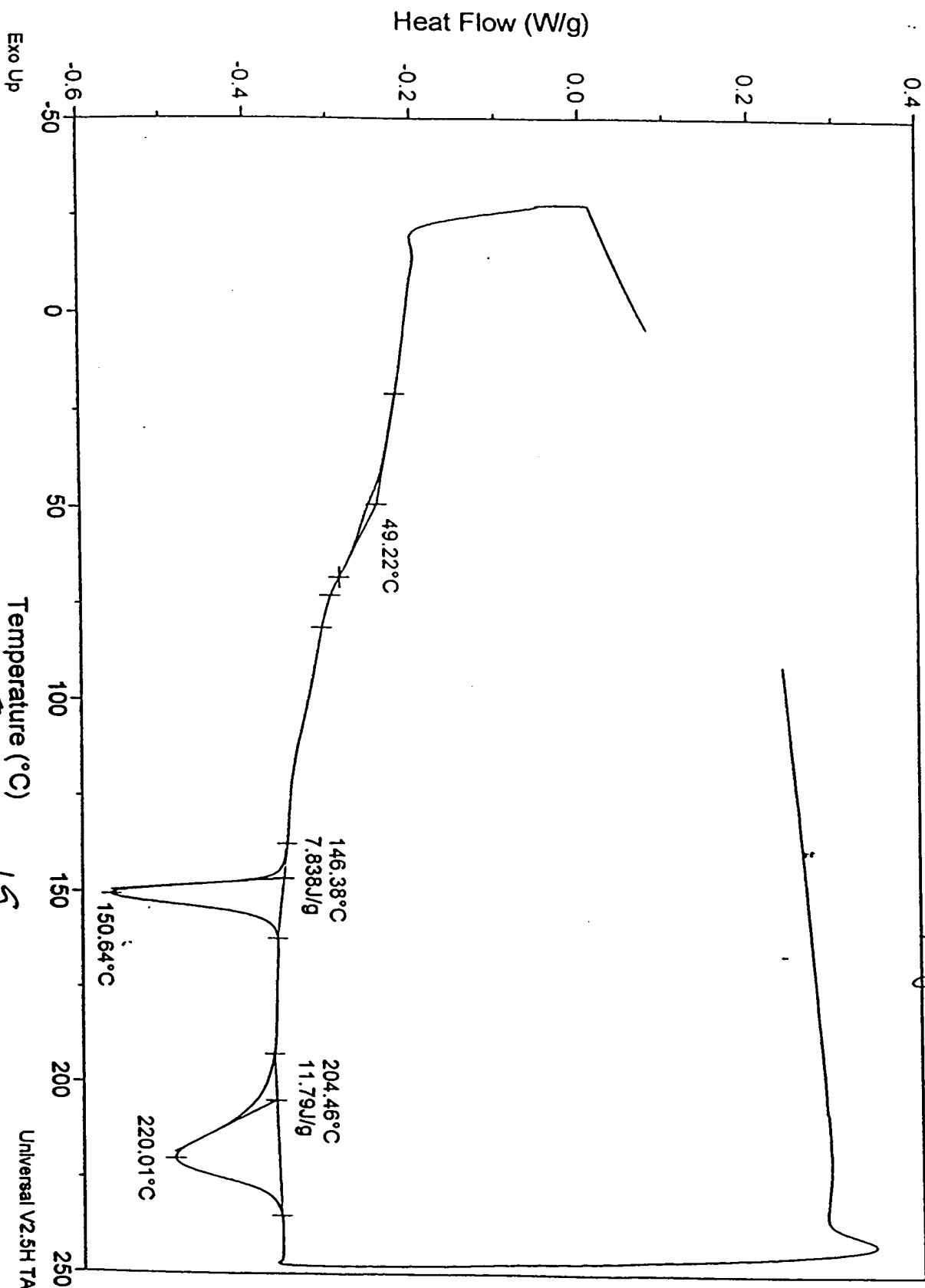
30%

co-polyamide

1st Melt

DSC

run



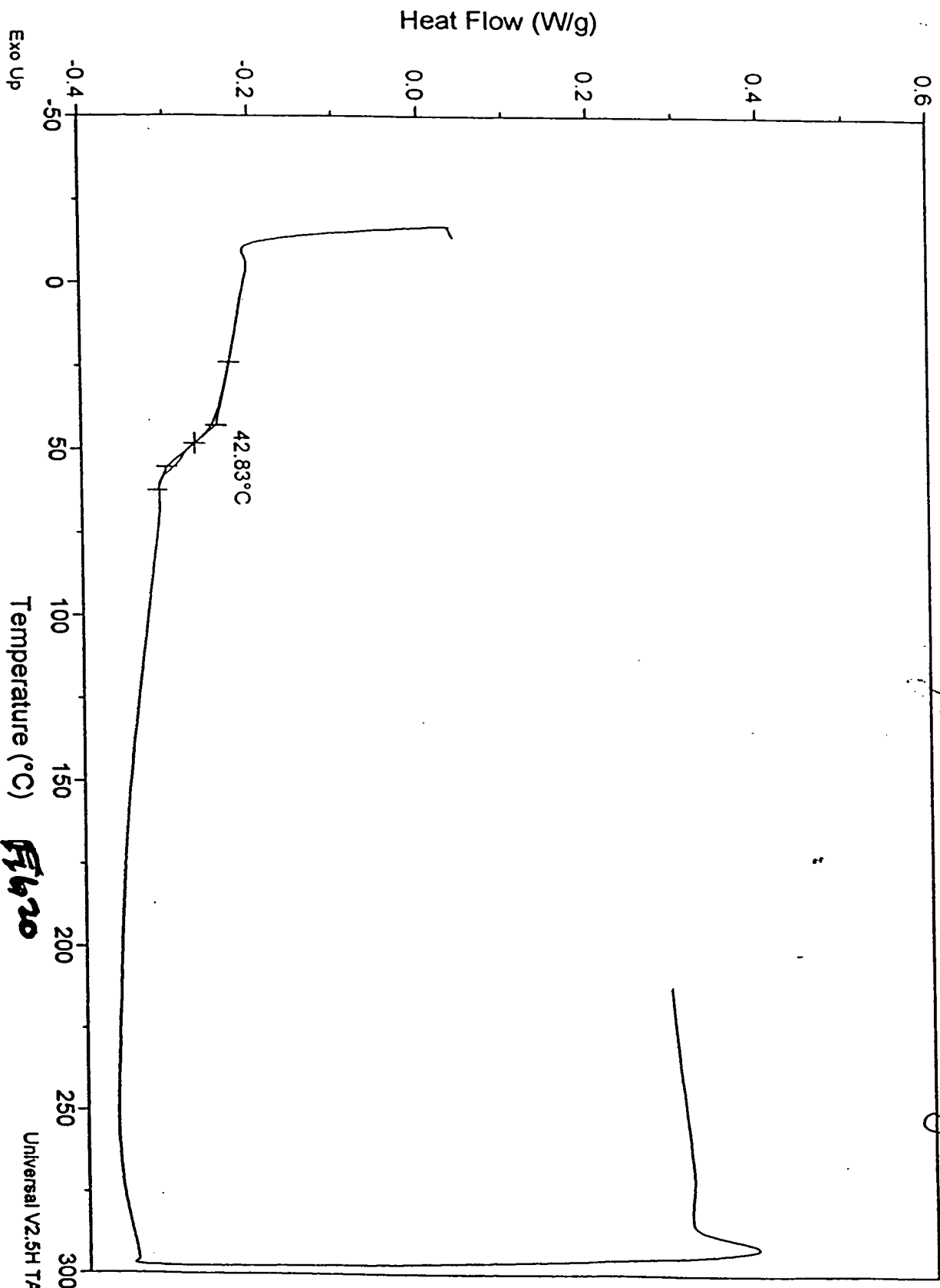
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Sample: 1191-19C-7
Size: 9.8400 mg
Method: Polymer Samples
Comment: Material characterization

Example 6

2nd melt
DSC

170:30 after Full cross linking



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Fig 20

Universal V2.5H TA Instruments